PROJECT 10073 RECORD

1. DATE - TIME GROUP 23 OCT 54 24/0323Z	2. LOCATION TINKER AFB, OKLAHOMA
3. SOURCE MILITARY	10. CONCLUSION OTHER: RADAR BEACON
4. NUMBER OF OBJECTS ONE	
5. LENGTH OF OBSERVATION - - -	11. BRIEF SUMMARY AND ANALYSIS Obs on FPS-10, (PPI scope) Upon initial pick-up, speed was in excess of 3200 nautical mph, but changed to 250 nautical mph, before turning from its 340 deg heading to a 160 deg heading away from the radar site. The target appeared in size, shape and brillian ce equal to normal IFF.
6. TYPE OF OBSERVATION GROUND RADAR	
7. COURSE - - -	COMMENTS: Radar frequency interference very probably caused by signal from beacon (i.e. AN/APW-11). See case file for complete analysis.
8. PHOTOS ☐ Yes ☒ No	
9. PHYSICAL EVIDENCE ☐ Yes ☐ No	

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AIR INTELLIGENCE EVALUATION RECORD

ATIC 204311

TO:	AIR INTELLIGENCE INFORMATION REPORT NUMBER	DATED
1 Witness	IAI-57-54	26 Oct 54
	SOURCE OF REPORT (Air Attache, Command, etc.) 746th AC&W Sq, Tinker AFB, OKLA.	
	INTELLIGENCE REPORT PREPARED BY (Name of officer) Lt L. R. Guay	

USABILITY OF REPORT		VALIDITY OF INFORMATION		FULFILLMENT OF REQUIREMENT	
X	EXCELLENT	X	CONFIRMED	X	COMPLETE
	SPECIFIC		PROBABLY TRUE		PARTIAL
	USABLE		POSSIBLY TRUE		SLIGHT
	TOO GENERAL		DOUBTFUL		
			CANNOT JUDGE		

COMMENTS (In narrative style, expand on your evaluation as checked above. Your comments, guidance and helpful criticism are appreciated by collectors. Carefully prepared and detailed Evaluation Records will improve the quality of reporting and provide you with intelligence information of higher quality.)

1. Several references in the report refer to similarity to "IFF return." If this similarity refers to several spaced signals (coding) rather than a single return the signal is due to a beacon signal (such as AN/APW-11) triggered by another radar (not the one operated by 746th AC&W) at almost the same PRF as the PRF of the FPS-10 of the 746th.

2. If the return is a single pip (not coded) then it could be either the beacon referred to above, or an interfering signal from another radar set in the same frequency band, and with a PRF almost the same as the FPS-10.

3. The approach, turn around, and departure of the signal is caused by the PRFs of the FPS-10 and the interfering signal drifting toward each other in frequency, crossing over (at the turn around point) and then separating again.

GROUP 4
Downgraded at 3 year intervals; declassified after 12 years
13 May 68

T55-0685

DATE	ACTIVITY	ANALYST (Signature)
13 Jan 55	ATIAE5, Air Technical Intelligence Center Wright Patterson Air Force Base, Ohio	Capt. C.A. Hardin

AF FORM 1 JUN 54 112b PREVIOUS EDITIONS OF THIS FORM MAY BE USED. UNCLASSIFIED GPO 876386

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AIR INTELLIGENCE INFORMATION REPORT

UFOB

Tinker Air Force Base	7754th AC&W Squadron
24 October 1957	24 October 1957 — F-6
Capt. Lawrence E. Gray	7754 AC&W Squadron

N/A

1. The attached UFOB Report, is being forwarded to ATIC for analysis and evaluation.

2. ATIC is authorized to contact [illegible] 7654 [illegible] Tinker Air Force Base, Oklahoma City, Oklahoma, in the event further information is required.

[illegible]
Colonel USAF
Commander
s/ [illegible] Major USAF

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